

# ABSTRACT

The present invention describes the production of  
interferon- $\gamma$  proteins and polypeptides derived  
therefrom. The antiviral and anticellular  
proliferation properties of these proteins and  
polypeptides are disclosed. One advantage of the  
proteins of the present invention is that they do not  
have cytotoxic side-effects when used to treat cells.  
Structure/function relationships for the interferon- $\gamma$   
protein are also described. In one aspect, the  
invention includes ovine interferon- $\gamma$ . In another  
aspect the invention includes multiple forms of human  
interferon- $\gamma$ .